

Investigations in Number, Data, and Space, Kentucky Student Bundle

Includes: 25 Grade 4 Student Math Handbooks, 25 Grade 4 Student Activity Books, and 1 Grade 4 Core Curriculum Units Package

Contract Price

\$1,153.25

Grade

4

TYPE

E2

Copyright

2008

Author

Russell, Susan Jo

Edition

1st

ContentElementary
MathematicsReadability

N/A

AccessibilityResearchwww.pearsonschool.
com/elementaryproduc
ts

Teacher Edition		
Essential Items		
0328240915	Nimas	\$15.75
Student Math Handbook (Grade 4)		
0328240540	Nimas	\$17.00
Student Activity Book (Grade 4)		
032825942X		\$400.00
Core Curriculum Units Package (Grade 4)		
Ancillary Items		
0328260460		\$761.85
Core Curriculum Units Package with Manipulatives Kit (Grade 4)		
032823754X		\$45.00
Curriculum Unit: Describing The Shape of The Data (Grade 4)		
0328237531		\$45.00
Curriculum Unit: Factors, Multiples, and Arrays (Grade 4)		
0328237582		\$45.00
Curriculum Unit: Fraction Cards and Decimal Squares (Grade 4)		
0328237604		\$45.00
Curriculum Unit: How Many Packages? How Many Groups? (Grade 4)		
0328237574		\$45.00
Curriculum Unit: Landmarks and Large Numbers (Grade 4)		
0328237590		\$45.00
Curriculum Unit: Moving Between Solids and Silhouettes (Grade 4)		
0328237558		\$45.00
Curriculum Unit: Multiple Towers and Division Stories (Grade 4)		
0328237612		\$45.00
Curriculum Unit: Penny Jars and Plant Growth (Grade 4)		
0328237566		\$45.00
Curriculum Unit: Size, Shape, and Symmetry (Grade 4)		
0328249203		\$25.00
Implementing Investigations in Grade 4		
0328242985		\$29.00
LogoPaths CD-ROM (Grades 3-5)		
0328260010		\$195.70
Manipulatives Completer Kit (Grade 4)		
0328260134		\$361.85
Manipulatives Kit (Grade 4)		
0328275921		\$75.00
Resource Masters and Transparencies CD-ROM (Grade 4)		
0328240842		\$75.00
Resources Binder (Grade 4)		
0328240575		\$3.25
Student Activity Book Unit: Describing The Shape of The Data (Grade 4)		
Free with Purchase items		
0328258377	Success Tracker Bilingual Online Teacher Access Pack (Grade 4)	\$299.00
1 Free with the purchase of the Gr. 4 Kentucky Student Bundle		
0328309885	Student Resources Online Access Pack (Grade 4)	\$199.00

Investigations in Number, Data, and Space, Kentucky Student Bundle

1 Free with the purchase of the Gr. 4 Kentucky Student Bundle		
0328331058	Spanish Companion: Teacher Talk for the Bilingual Classroom (Grade	\$30.00
1 Free with the purchase of the Gr. 4 Kentucky Student Bundle		
0328336424	Examview Assessment Suite CD-ROM (Grade 4)	\$99.00
1 Free with the purchase of the Gr. 4 Kentucky Student Bundle		
0328344273	Teacher Resources Online Access Pack (Grade 4)	\$180.00
1 Free with the purchase of the Gr. 4 Kentucky Student Bundle		
0328376612	Student Activity Book Answer Key (Grade 4)	\$5.00
1 Free with the purchase of the Gr. 4 Kentucky Student Bundle		
032826007X	Cards Package (Grade 4)	\$242.00
1 Free with the purchase of the Gr. 4 Kentucky Student Bundle		

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN	032845432X	Publisher -	Pearson Education, Inc., publishing as Scott Foresman	
	Investigations in Number, Data, and Space, Kentucky Student Bundle				
	Type - E2	Author - Russell, Susan Jo			
	Copyright - 2008	Edition - 1st	Readability - N/A		
	Course - Elementary Mathematics		Grade(s) - 4		
	Teacher Edition ISBN if applicable..... 032825942X				

Overall Recommendation:

Recommended as BASAL

Overall Strengths, Weaknesses, Comments:

if this box is not checked, the evaluators have
chosen NOT recommend as basal

[Click here to enter text.](#)

NIMAC Accessibility

Ancillary Yes

Free with Purchase Yes

Research Yes www.pearsonschool.com/elementaryproducts

Includes: 25 Grade 4 Student Math Handbooks, 25 Grade 4 Student Activity Books, and 1 Grade 4 Core Curriculum Units Package

CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations **Moderate Evidence**

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:

- | | |
|--|-----------------------|
| a) Number Properties and Operations | Strong Evidence |
| b) Measurement | Moderate Evidence |
| c) Geometry | Moderate Evidence |
| d) Data Analysis and Probability | Moderate Evidence |
| e) Algebraic Thinking | Little or No Evidence |

2) Addresses content-specific enduring understandings from the related Program of Studies standards. Moderate Evidence

3) Addresses content-specific skills and concepts from the related Program of Studies standards. Moderate Evidence

4) Content addressed is current, relevant and non-trivial Strong Evidence

5) Provides opportunities for critical thinking/reasoning Strong Evidence

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

The strengths covered in this program are Number Properties and Operations. Scripting of the lessons are very useful in helping the teacher move throughout each lesson. Good examples of

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student errors or misconceptions. Spiraling of ideas throughout the years as an ongoing review is very useful. Lots of cooperative, hands-on group work for students to explore the various concepts. The weaknesses viewed in the program include lack of evidence in Measurement in the areas of weight, time, temperature and money. These area would require teacher to find additional resources and supplemental materials. Geometry had a lack of focus in the use of vocabulary (points, rays, bases and specific types of lines), circles, transformations, and coordinate grids. Data Analysis and Probability had a lack of focus in Venn Diagrams, Pictographs and Circle Graphs which the teacher would have to supplement. Very disappointed in the Algebraic Thinking regarding variable, inequalities, clear focus for input/output tables or function machines and completing an equation. Teacher planning using this program would be difficult based on the layout of units, with students having limited background knowledge. Specific concepts were hard to readily locate within the program.

B. Functionality & Suitability	Strong Evidence
1) Suitability <ul style="list-style-type: none"> Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. 	Strong Evidence
2) Content quality <ul style="list-style-type: none"> Free from factual errors Content is presented conceptually when possible—more than a mere collection of facts Content included accurately represents the knowledge base of the discipline Theories/scientific models contained represent a broad consensus of the scientific community Interconnections among mathematical topics 	Strong Evidence
3) Connections to Literacy <ul style="list-style-type: none"> Employs a variety of reading levels and is grade/level appropriate Use of multiple representations-concrete, visual/spatial, graphs, charts, etc. Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. Student text provides opportunity to integrate reading and writing Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text and glossary The text is engaging and facilitates learning Embedded activities enhance the understanding of the text <p><i>Note: may apply to either student or teacher editions</i></p>	Strong Evidence
4) Connections to Technology <ul style="list-style-type: none"> Integrates technology and reflects the impact of technological advances Uses technology in the collection and/or manipulation of authentic data Embeds web links as a mathematics resource. 	Little or No Evidence
5) Support for Diverse Learners <ul style="list-style-type: none"> Provides support for ESL students Provides support for differentiation of instruction in diverse classrooms Challenge for gifted and talented students Support for students with learning difficulties <p><i>Note: may apply to either student or teacher editions</i></p>	Strong Evidence
6) Strengths, Weaknesses, Comments: <ul style="list-style-type: none"> Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards. 	

A strength is that the Teacher Edition includes differentiation activities for ELL. It also includes

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Mathematics (2009 – 2015)

intervention and extension activities. The ten-minute math throughout each unit supports previous skills learned. The technology component only addresses logpaths for geometry and teacher resource masters and transparencies. No student activities available using technology.

C. Supports Inquiry and Skill Development

Strong Evidence

1) Promotes Inquiry, research and Application of Learning

Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skill Development

Strong Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

A weakness in skill development is a lack of follow-up practice for concepts. Teachers would need to find or create additional practice.

D. Supports Best Practices of Teaching and Learning

Moderate Evidence

1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Little or No Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

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- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

The program engages and motivates active involvement throughout each unit for the students. A definite weakness is of assessment to inform instruction because of lack of multiple choice questions, open response questions and ongoing formative assessments readily available to the teacher.

E. Has an Organization/ Format that Supports Learning and Teaching	Moderate Evidence
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1) Organizational Quality

Moderate Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The organization of the program does support the learner and teacher in some bulleted areas such as clearly stated objectives in each lesson, real world activities, pictures and diagrams for visual students to make connections and print that encourages students to stretch and make further explorations.

Weaknesses found in the program are the logical sequence of units presented such as review of basic number concepts before jumping into multiplication and division. Little or no media included only Logopaths. Teacher unit books have ease of use and carrying mobility within the classroom, but for planning purposes there needs to be a comprehensive overall table of contents for the entire program. The durability of the Student Activity Book is a concern because of its size, ability to be stored in student desk, student ability to tear pages independently and longevity of book after several pages have been removed by Christmas??

F. Has available Ancillary/ Gratis Materials	Little or No Evidence
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Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

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- Provides opportunities for intervention.
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2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

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